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     (FILE 'HOME' ENTERED AT 12:34:19 ON 05 JAN 2011)

     FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 12:34:59 ON
     05 JAN 2011
L1        34967 S (INDUC? OR ACTIVAT?)(5A)(TH1 OR HELPER(W)T)
L2       179737 S TCR OR T(W)CELL(W)RECEPTOR
L3         1912 S L1(P)L2
L4        36213 S (PLASMID OR VECTOR OR POLYNUCLEOTIDE OR DNA OR NUCLEIC(W)ACID
L5          126 S L1(P)L4
L6           40 DUP REM L5 (86 DUPLICATES REMOVED)

=> d au ti so pi 20-40 l6

L6   ANSWER 20 OF 40  CAPLUS  COPYRIGHT 2011 ACS on STN
AU   Hayakawa, Satoshi
TI   Human pregnancies and their complications from standpoints of Th1/Th2
     balance and lymphocyte activation
SO   Nippon Sanka Fujinka Gakkai Zasshi (1999), 51(8), 626-632
     CODEN: NISFAY; ISSN: 0300-9165

L6   ANSWER 21 OF 40     MEDLINE on STN                  DUPLICATE 15
AU   Keino H; Matsumoto I; Okada S; Kurokawa M; Kato T; Tokuhisa T; Usui M;
     Taniguchi M; Nishioka K; Sumida T
TI   A single cell analysis of TCR AV24AJ18+ DN T cells.
SO   Microbiology and immunology, (1999) Vol. 43, No. 6, pp. 577-84.
     Journal code: 7703966. ISSN: 0385-5600. L-ISSN: 0385-5600.

L6   ANSWER 22 OF 40     MEDLINE on STN                  DUPLICATE 16
AU   Hill M; Beeson D; Moss P; Jacobson L; Bond A; Corlett L; Newsom-Davis J;
     Vincent A; Willcox N
TI   Early-onset myasthenia gravis: a recurring T-cell epitope in the
     adult-specific acetylcholine receptor epsilon subunit presented by the
     susceptibility allele HLA-DR52a.
SO   Annals of neurology, (1999 Feb) Vol. 45, No. 2, pp. 224-31.
     Journal code: 7707449. ISSN: 0364-5134. L-ISSN: 0364-5134.

L6   ANSWER 23 OF 40     MEDLINE on STN                  DUPLICATE 17
AU   Shirwan H; Barwari L; Khan N S
TI   Predominant expression of T helper 2 cytokines and altered expression of T
     helper 1 cytokines in long-term allograft survival induced by intrathymic
     immune modulation with donor class I major histocompatibility complex
     peptides.
SO   Transplantation, (1998 Dec 27) Vol. 66, No. 12, pp. 1802-9.
     Journal code: 0132144. ISSN: 0041-1337. L-ISSN: 0041-1337.

L6   ANSWER 24 OF 40  CAPLUS  COPYRIGHT 2011 ACS on STN
AU   Bourdette, Dennis N.; Chou, Yuan K.; Whitham, Ruth H.; Buckner, Jane;
     Kwon, Hi Jong; Nepom, Gerald T.; Buenafe, Abigail; Cooper, Shelley A.;
     Allegretta, Mark; Hashim, George A.; Offner, Halina; Vandenbark, Arthur A.
TI   Immunity to T cell receptor peptides in multiple sclerosis. III.
     Preferential immunogenicity of complementarity-determining region 2
     peptides from disease-associated T cell receptor BV genes
SO   Journal of Immunology (1998), 161(2), 1034-1044
     CODEN: JOIMA3; ISSN: 0022-1767

L6   ANSWER 25 OF 40     MEDLINE on STN                  DUPLICATE 18
AU   Ariail K S; Bebo B F; Adlard K; Robey I; Burrows G; Newman M J; Todd C W;
     Vandenbark A A; Offner H
TI   Novel adjuvants for induction of T-cell and antibody responses to
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encephalitogenic and regulatory determinants in Lewis rats.
SO Vaccine, (1998 Jan) Vol. 16, No. 1, pp. 99-108.
Journal code: 8406899. ISSN: 0264-410X. L-ISSN: 0264-410X.

L6 ANSWER 26 OF 40 MEDLINE on STN DUPLICATE 19
AU Zhang D H; Cohn L; Ray P; Bottomly K; Ray A
TI Transcription factor GATA-3 is differentially expressed in murine Th1 and Th2 cells and controls Th2-specific expression of the interleukin-5 gene.
SO The Journal of biological chemistry, (1997 Aug 22) Vol. 272, No. 34, pp. 21597-603.
Journal code: 2985121R. ISSN: 0021-9258. L-ISSN: 0021-9258.

L6 ANSWER 27 OF 40 MEDLINE on STN DUPLICATE 20
AU Koulis A; Diss T; Isaacson P G; Dogan A
TI Characterization of tumor-infiltrating T lymphocytes in B-cell lymphomas of mucosa-associated lymphoid tissue.
SO The American journal of pathology, (1997 Nov) Vol. 151, No. 5, pp. 1353-60.
Journal code: 0370502. ISSN: 0002-9440. L-ISSN: 0002-9440.
Report No.: NLM-PMC1858098.

L6 ANSWER 28 OF 40 MEDLINE on STN DUPLICATE 21
AU Rao V P; Russell R S; Carayanniotis G
TI Recruitment of multiple V beta genes in the TCR repertoire against a single pathogenic thyroglobulin epitope.
SO Immunology, (1997 Aug) Vol. 91, No. 4, pp. 623-7.
Journal code: 0374672. ISSN: 0019-2805. L-ISSN: 0019-2805.
Report No.: NLM-PMC1363885.

L6 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN
AU Afshari, J. Tavakol; Hutchinson, I. V.; Kay, R. A.
TI Long-term alloreactive T cell lines and clones express a limited T cell receptor repertoire
SO Transplant Immunology (1997), 5(2), 122-128
CODEN: TRIME2; ISSN: 0966-3274

L6 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN
AU Ohara-Nemoto, Y.; Kaneko, M.
TI Expression of T-cell receptor Vβ2 and type 1 helper T-cell-related cytokine mRNA in streptococcal pyrogenic exotoxin-C-activated human peripheral blood mononuclear cells
SO Canadian Journal of Microbiology (1996), 42(11), 1104-1111
CODEN: CJMIAZ; ISSN: 0008-4166

L6 ANSWER 31 OF 40 MEDLINE on STN DUPLICATE 22
AU Lederer J A; Perez V L; DesRoches L; Kim S M; Abbas A K; Lichtman A H
TI Cytokine transcriptional events during helper T cell subset differentiation.
SO The Journal of experimental medicine, (1996 Aug 1) Vol. 184, No. 2, pp. 397-406.
Journal code: 2985109R. ISSN: 0022-1007. L-ISSN: 0022-1007.
Report No.: NLM-PMC2192740.

L6 ANSWER 32 OF 40 MEDLINE on STN DUPLICATE 23
AU Contasta I; Pellegrini P; Berghella A M; Del Beato T; Canossi A; Di Rocco M; Adorno D; Casciani C U
TI Necessity of biotherapeutic treatments inducing TH1 cell functions in colorectal cancer.
SO Cancer biotherapy & radiopharmaceuticals, (1996 Dec) Vol. 11, No. 6, pp. 373-83.
Journal code: 9605408. ISSN: 1084-9785. L-ISSN: 1084-9785.

L6 ANSWER 33 OF 40 MEDLINE on STN DUPLICATE 24
AU Adams S; Leblanc P; Datta S K
TI Junctional region sequences of T-cell receptor beta-chain genes expressed by pathogenic anti-DNA autoantibody-inducing helper T cells from lupus mice: possible selection by cationic autoantigens.
SO Proceedings of the National Academy of Sciences of the United States of America, (1991 Dec 15) Vol. 88, No. 24, pp. 11271-5.
Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.
Report No.: NLM-PMC53116.

L6 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN
AU Yssel, Hans; Shanafelt, Marie Claude; Soderberg, Carol; Schneider, Patricia V.; Anzola, John; Peltz, Gary
TI Borrelia burgdorferi activates a T helper type 1-like T cell subset in Lyme arthritis
SO Journal of Experimental Medicine (1991), 174(3), 593-601
CODEN: JEMEAV; ISSN: 0022-1007

L6 ANSWER 35 OF 40 MEDLINE on STN DUPLICATE 25
AU Gajewski T F; Schell S R; Fitch F W
TI Evidence implicating utilization of different T cell receptor-associated signaling pathways by TH1 and TH2 clones.
SO Journal of immunology (Baltimore, Md. : 1950), (1990 Jun 1) Vol. 144, No. 11, pp. 4110-20.
Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.

L6 ANSWER 36 OF 40 MEDLINE on STN DUPLICATE 26
AU Taylor A H; Haberman A M; Gerhard W; Caton A J
TI Structure-function relationships among highly diverse T cells that recognize a determinant from influenza virus hemagglutinin.
SO The Journal of experimental medicine, (1990 Dec 1) Vol. 172, No. 6, pp. 1643-51.
Journal code: 2985109R. ISSN: 0022-1007. L-ISSN: 0022-1007.
Report No.: NLM-PMC2188746.

L6 ANSWER 37 OF 40 LIFESCI COPYRIGHT 2011 CSA on STN
AU Adams, S.; Zordan, T.; Sainis, K.; Datta, S.K.
TI T cell receptor V sub(beta) genes expressed by IgG anti-DNA autoantibody-inducing T cells in lupus nephritis: Forbidden receptors and double-negative T cells.
SO EUR. J. IMMUNOL., (1990) vol. 20, no. 7, pp. 1435-1443.

L6 ANSWER 38 OF 40 MEDLINE on STN DUPLICATE 27
AU Kumar V; Urban J L; Horvath S J; Hood L
TI Amino acid variations at a single residue in an autoimmune peptide profoundly affect its properties: T-cell activation, major histocompatibility complex binding, and ability to block experimental allergic encephalomyelitis.
SO Proceedings of the National Academy of Sciences of the United States of America, (1990 Feb) Vol. 87, No. 4, pp. 1337-41.
Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.
Report No.: NLM-PMC53470.

L6 ANSWER 39 OF 40 MEDLINE on STN DUPLICATE 28
AU Jones J F; Shurin S; Abramowsky C; Tubbs R R; Sciotto C G; Wahl R; Sands J; Gottman D; Katz B Z; Sklar J
TI T-cell lymphomas containing Epstein-Barr viral DNA in patients with chronic Epstein-Barr virus infections.
SO The New England journal of medicine, (1988 Mar 24) Vol. 318, No. 12, pp.

733-41.
Journal code: 0255562. ISSN: 0028-4793. L-ISSN: 0028-4793.

L6 ANSWER 40 OF 40 MEDLINE on STN
AU Hausman P B; Sherr D H; Dorf M E
TI Regulation of hapten-specific T and B cell responses by suppressor cells.
SO Concepts in immunopathology, (1986) Vol. 3, pp. 38-60. Ref: 42
Journal code: 8412469. ISSN: 0255-7983. L-ISSN: 0255-7983.

=> d au ti so pi 10-19 l6

L6 ANSWER 10 OF 40 MEDLINE on STN DUPLICATE 7
AU Gyobu Hiroshi; Tsuji Takemasa; Suzuki Yoshinori; Ohkuri Takayuki; Chamoto Kenji; Kuroki Masahide; Miyoshi Hiroyuki; Kawarada You; Katoh Hiroyuki; Takeshima Tsuguhide; Nishimura Takashi
TI Generation and targeting of human tumor-specific Tc1 and Th1 cells transduced with a lentivirus containing a chimeric immunoglobulin T-cell receptor.
SO Cancer research, (2004 Feb 15) Vol. 64, No. 4, pp. 1490-5.
Journal code: 2984705R. ISSN: 0008-5472. L-ISSN: 0008-5472.

L6 ANSWER 11 OF 40 MEDLINE on STN DUPLICATE 8
AU Chamoto Kenji; Tsuji Takemasa; Funamoto Hiromi; Kosaka Akemi; Matsuzaki Junko; Sato Takeshi; Abe Hiroyuki; Fujio Keishi; Yamamoto Kazuhiko; Kitamura Toshio; Takeshima Tsuguhide; Togashi Yuji; Nishimura Takashi
TI Potentiation of tumor eradication by adoptive immunotherapy with T-cell receptor gene-transduced T-helper type 1 cells.
SO Cancer research, (2004 Jan 1) Vol. 64, No. 1, pp. 386-90.
Journal code: 2984705R. ISSN: 0008-5472. L-ISSN: 0008-5472.

L6 ANSWER 12 OF 40 MEDLINE on STN DUPLICATE 9
AU Kim J; Park C J; Chi H S; Kim M J; Seo J J; Moon H N; Ghim T T; Kim S W; Lee J H; Lee G H; Lee J S
TI Idiopathic thrombocytopenic purpura: better therapeutic responses of patients with B- or T-cell clonality than patients without clonality.
SO International journal of hematology, (2003 Dec) Vol. 78, No. 5, pp. 461-6.
Journal code: 9111627. ISSN: 0925-5710. L-ISSN: 0925-5710.

L6 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN
AU Tsuji, Takemasa; Chamoto, Kenji; Funamoto, Hiromi; Kosaka, Akemi; Matsuzaki, Junko; Abe, Hiroyuki; Fujio, Keishi; Yamamoto, Kazuhiko; Kitamura, Toshio; Togashi, Yuji; Koda, Toshiaki; Nishimura, Takashi
TI An efficient method to prepare T cell receptor gene-transduced cytotoxic T lymphocytes type 1 applicable to tumor gene cell-therapy
SO Cancer Science (2003), 94(4), 389-393
CODEN: CSACCM; ISSN: 1347-9032

L6 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN DUPLICATE 10
AU Tominaga, Norio; Ohkusu-Tsukada, Kozo; Udono, Heiichiro; Abe, Ryo; Matsuyama, Toshifumi; Yui, Katsuyuki
TI Development of Th1 and not Th2 immune responses in mice lacking interferon-regulatory factor-4
SO International Immunology (2003), 15(1), 1-10
CODEN: INIMEN; ISSN: 0953-8178

L6 ANSWER 15 OF 40 MEDLINE on STN DUPLICATE 11
AU Lobito Adrian A; Yang Bingzhi; Lopes Marcela F; Miagkov Alexei; Adams Robert N; Palardy Gregory R; Johnson Michele M; McFarland Hugh I; Recher Michael; Drachman Daniel B; Lenardo Michael J
TI T cell receptor transgenic mice recognizing the immunodominant epitope of

the Torpedo californica acetylcholine receptor.
SO European journal of immunology, (2002 Jul) Vol. 32, No. 7, pp. 2055-67.
Journal code: 1273201. ISSN: 0014-2980. L-ISSN: 0014-2980.

L6 ANSWER 16 OF 40 MEDLINE on STN DUPLICATE 12
AU Vandenbark A A; Morgan E; Bartholomew R; Bourdette D; Whitham R; Carlo D; Gold D; Hashim G; Offner H
TI TCR peptide therapy in human autoimmune diseases.
SO Neurochemical research, (2001 Jun) Vol. 26, No. 6, pp. 713-30. Ref: 105
Journal code: 7613461. ISSN: 0364-3190. L-ISSN: 0364-3190.

L6 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN DUPLICATE 13
AU Shires, John; Theodoridis, Efstathios; Hayday, Adrian C.
TI Biological insights into TCR$\gamma\delta$+ and TCR$\alpha\beta$+ intraepithelial lymphocytes provided by serial analysis of gene expression (SAGE)
SO Immunity (2001), 15(3), 419-434
CODEN: IUNIEH; ISSN: 1074-7613

L6 ANSWER 18 OF 40 MEDLINE on STN DUPLICATE 14
AU Saito T; Kumagai Y; Hiramatsu T; Kurosawa M; Sato T; Habu S; Mitsui K; Kodera Y; Hiroto M; Matsushima A; Inada Y; Nishimura H
TI Immune tolerance induced by polyethylene glycol-conjugate of protein antigen: clonal deletion of antigen-specific Th-cells in the thymus.
SO Journal of biomaterials science. Polymer edition, (2000) Vol. 11, No. 6, pp. 647-56.
Journal code: 9007393. ISSN: 0920-5063. L-ISSN: 0920-5063.

L6 ANSWER 19 OF 40 LIFESCI COPYRIGHT 2011 CSA on STN
AU Eo, S.K.; Chun, S.; Lee, S.; Rouse, B.T.
TI On the Mechanisms of T Cell Silencing by IL-10 DNA: Direct and Indirect Inhibition of T Cell Functions
SO Cellular Immunology [Cell. Immunol.], (20001125) vol. 206, no. 1, pp. 59-69.
ISSN: 0008-8749.

=> d ab 14 16

L6 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN DUPLICATE 10
AB Interferon-regulatory factor-4 (IRF-4) is a member of the IRF family of transcription factors expressed in lymphocytes and macrophages. The previous studies using mice deficient in the IRF-4 gene showed profound defects in function of both B and T cells. To further investigate the role of IRF-4 in CD4+ T cell function, IRF-4-/- mice were challenged with the intracellular pathogen Leishmania major. The mice were protected against L. major during the early phase of the infection and CD4+ T cells of the infected mice produced IFN-γ in response to L. major antigen. However, during the late phase of infection, lymphocyte nos. were dramatically reduced in the draining lymph nodes, resulting in the deterioration of the lesion, indicating that IRF-4 was required for sustained immune responses against L. major infection. The function of CD4+ T cells was further investigated using TCR transgenic mice lacking the IRF-4 gene. CD4+ T cells from IRF-4-/- mice produced IFN-γ and expressed T-bet after culture under Th1-skewing conditions in vitro. However, Th2 cell development was not observed after culture under Th2-polarizing conditions. Proliferation of CD4+ T cells to IL-4 was reduced in IRF-4-/- mice, suggesting the defects in the responsiveness to IL-4. Furthermore, stimulation of the IRF-4-/- CD4+ T cells with IL-4-induced activation of signal transducer and activator of transcription 6, but not expression of growth factor independent-1. Thus,

development of CD4+ T cell subsets differentially depends on IRF-4;
induction of Th1 response does not depend on IRF-4,
while Th2 response depends entirely on IRF-4.

=> d ab 29 l6

L6 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2011 ACS on STN
AB Alloreactive T cells recognize either determinants of the intact donor MHC mols. displayed on the surface of transplanted cells or peptide fragments of donor antigens associated with self-MHC mols. by their T cell receptors (TCR). To investigate the relation between the TCR β chain structure and allorecognition, the authors established and characterized four long-term T cell lines and seven T cell clones derived following a mixed lymphocyte reaction (MLR) between fully histoincompatible DA (RT1a) and LEW (RT11) rat lymph node cells. These DA anti-LEW T cells were phenotypically CD4+, CD8-, αβ TCR+ and produced interferon-γ but not IL-4, consistent with being Th1 CD4+ T cells. As might be expected, these cells were not significantly cytotoxic and did not display suppressor activity. Anal. of the TCR β chain gene structure revealed a very restricted repertoire in both long-term lines and clones. The TCRBV6S1 gene was present in 15/21 of the alloreactive T cell mRNA transcripts but only 1/12 of unstimulated DA splenic TCR mRNA transcripts. Similarly, the TCRBJ2S1 gene was also used frequently in the alloreactive transcripts (17/21) but in only 2/12 unstimulated splenic transcripts. Furthermore, all 15 of the alloreactive TCRBV6S1 transcripts had a distinctive four amino acid N region motif not present in any of the unstimulated TCR transcripts. These expts. reveal a distinct homogeneity amongst stable allogeneic T cells in culture. If these results reflect the situation in vivo, the possibility exists that specific immunotherapy may be successful in preventing allograft rejection.

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